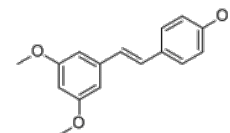


Product Name : Pterostilbene
Cat. No. : PC-62610
CAS No. : 537-42-8
Molecular Formula : C₁₆H₁₆O₃
Molecular Weight : 256.301
Target : Phenols
Solubility :



Biological Activity

Pterostilbene is a natural phenolic compound, dimethylated derivative of resveratrol that has potent antitumor activity against several human cancer types; induces strong and sustained activation of ERK1/2, with concomitant cyclin D1 suppression and p21 up-regulation, and inhibits the phosphorylation of AKT and mTOR in MDA-MB-468 cells; synergizes the antineoplastic effects of megestrol acetate in endometrial cancer; also targets MTA1/HDAC signaling with deacetylation of tumor suppressors p53 and PTEN in prostate cancer cells.

References

- Chatterjee K, et al. *Nutrients*. 2018 Feb 21;10(2). pii: E243.
Butt NA, et al. *Cancer Med*. 2017 Nov;6(11):2673-2685.
Wakimoto R, et al. *Anticancer Res*. 2017 Nov;37(11):6153-6159.
Wen W, et al. *Sci Rep*. 2017 Oct 6;7(1):12754.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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